PROJECT DESCRIPTION THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT MD 30 AT BRODBECK ROAD/ EAGLE RIDGE COURT IN CARROLL COUNTY. MD 30 IS CONSIDERED TO RUN IN A NORTH/ SOUTH DIRECTION. MD 30 SHALL BE WIDENED ON THE WEST SIDE TO CREATE A RIGHT TURN LANE. BRODBECK ROAD SHALL BE WIDENED ON THE SOUTH SIDE TO CREATE A LEFT. LEFT THRU AND RIGHT TURN LANES. INTERSECTION OPERATION A NEW BASE MOUNTED NEMA 6 CABINET AND CONTROLLER SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 6 NEMA PHASES. THERE WILL CONTUNUE TO BE AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR BOTH THE NORTH AND SOUTHBOUND MOVEMENTS OF MD 30. THE MD 30 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY. THE BRODBECK ROAD/ EAGLE RIDGE COURT MOVEMENTS WILL OPERATE IN A SIDE STREET SPLIT PHASE MODE. 1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS: PROJECT CONTACTS: MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 624-8140 MR. JOHN HUCHROWSKI, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION PHONE: (301) 624-8200 MS. SUE PALMER, ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 624-8105 MS. ANDREA ABEND, UTILITY ENGINEER PHONE: (301) 624-8115. MR. RICHARD L. DAFF. SR. CHIEF TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, SUPERVISOR, SIGNAL OPERATIONS PHONE: (410) 787-7652

410-470-8345 WMS #1976556

3. THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT 410-787-7631 TO ARRANGE FOR THE PHONE DROP INSTALLATION, THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET NUMBER, ZIP CODE, AND TELEPHONE NUMBER.

2. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY THE SHA SIGNAL SHOP.

CONTRACTOR SHALL CONTACT ED RODENHIZER 72 HOURS PRIOR TO CONSTRUCTION.

THE POWER COMPANY REPRESENTATIVE IS:

1068 NORTH FRONT STREET, ROOM 500

BRANDON ELLINGSON

BALTIMORE, MD 21202

BALTIMORE GAS & ELECTRIC

## EQUIPMENT LIST

Lump Sum

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

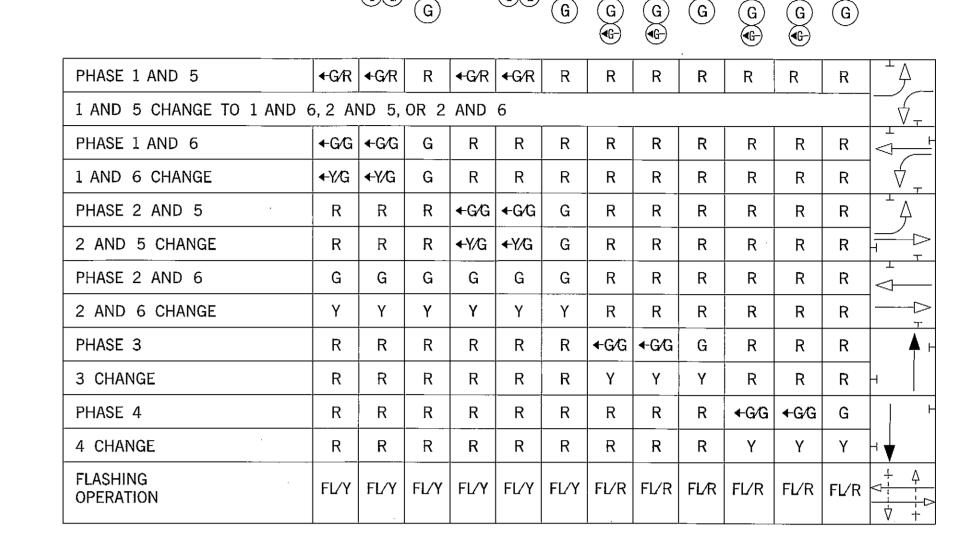
Description

Mobilization.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

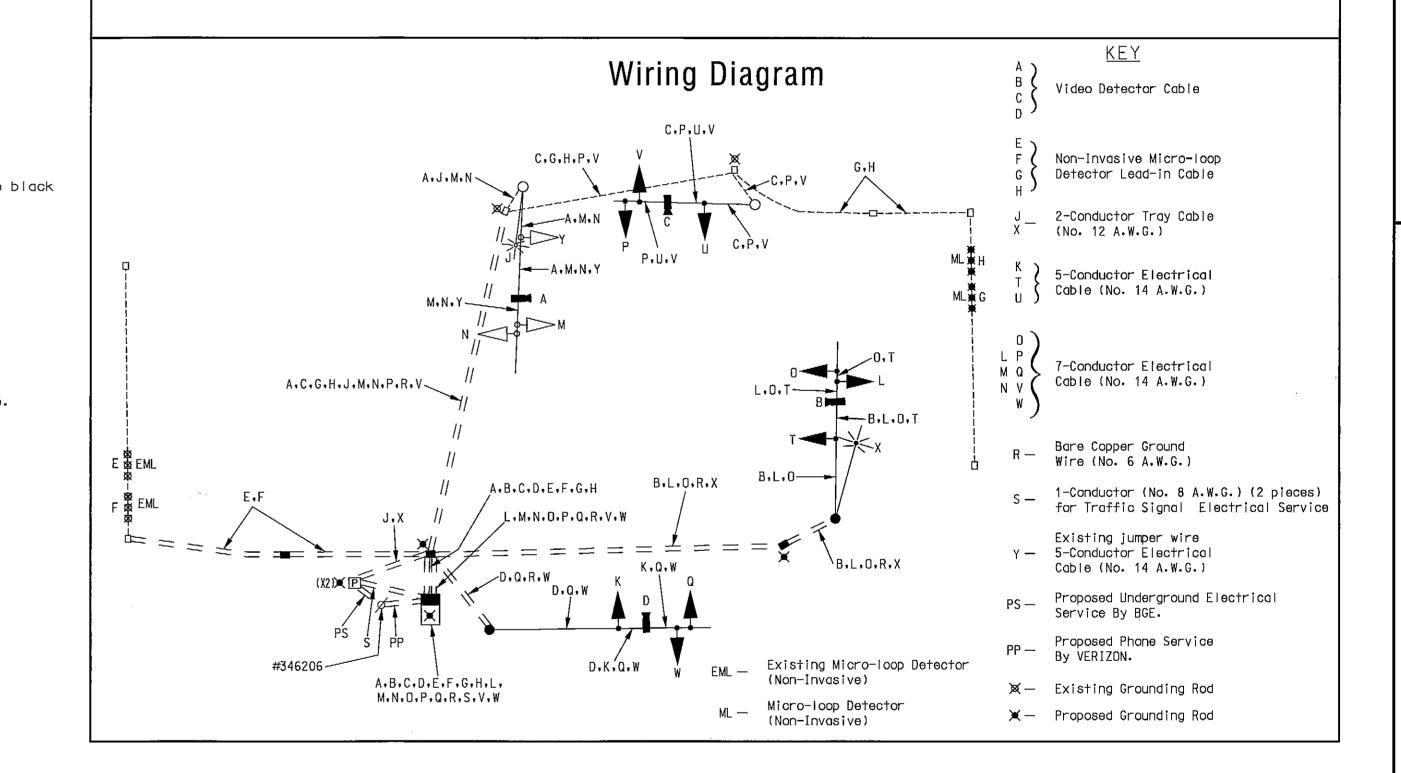
_ump Sum	LS	Maintenance of traffic.
1	EA	27 ft. steel mast arm pole with a 38 ft. mast arm.
1	EA	27 ft. steel mast arm pole with a 60 ft. mast arm.
1	EA	15 Luminaire arm.
1	ĒΑ	250 W HPS luminaire and lamp.
1	EΑ	Base mounted NEMA 6 cabinet with video detection interface and four- channel loop detector amplifiers [Note: Cabinet shall be purchased from Ecnolite and delivered to the S.H.A. Signal; Shop for wiring and testing. Contact Mr. Ed Rodenhizer (410) 787-7650].
2	EA	12 in., one-way, three section L.E.D. (R,Y,G) adjustable black faced traffic signal head with mast arm mounting hardware and tunnel visors.
4	EA	12 in., one—way, four section L.E.D. (R,Y,G,GA) adjustable black faced traffic signal head with mast arm mounting hardware and tunnel visors.
1	EA	1 2 in., one-way, five section L.E.D. (R,Y,G,GA,YA) adjustable black faced traffic signal head with mast arm mounting hardware and tunnel visors.
1	EA	1 2 in./8 in., one-way, five section L.E.D. (R,Y,G,GA,YA) adjustable to faced traffic signal head with mast arm mounting hardware and tunnel visors.
4	EA	Video Detection Camera (Terra).
735	LF	Video Detection Camera cable.
1	EA	30 in. $\times$ 36 in. R 3–5(L) sign with mast arm mounting hardware.
1	EA	30 in. $\times$ 36 in. R 3–6(L) sign with mast arm mounting hardware.
2	EA	24 in. $\times$ 30 in. R 4-7 sign for ground mount.
2	EA	18 in. $\times$ 18 in. OM 1–1 sign for ground mount.
2	EA	Non-invasive micro loop probe (set of 3) with 1000 foot lead-in cable.
2	CY	Test pit.
3	EA	Handhole.
50	LF	1-conductor electrical cable (No. 8 A.W.G.).
350	LF	2-conductor electrical tray cable (No. 12 A.W.G.).
80	LF	5-conductor electrical cable (No. 14 A.W.G.).
1535	LF	7-conductor electrical cable (No. 14 A.W.G.).
265	LF	Bare copper stranded ground wire (No. 6 A.W.G.).
30	LF	2 in polyvinyl chloride [Schedule 80] electrical conduit — trenched.
360	LF	3 in. polyvinyl chloride [Schedule 80] electrical conduit – trenched.
20	LF	4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
200	LF	4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
9.25	CY	Concrete foundation for traffic signal equipment.
5	EA	Ground rod - 3/4 in. diameter x 10 ft. length.
1	EA	100 amp electrical meter pedestal for an underground electric service.
95	LF	24 in. wide thermoplastic pavement marking — white for stop line.
1	EA	Cut, clean, and cap mast arm pole.
28	LF	4 in. x 4 in. wood sign support.
6	EA	Relocate existing sign (mast arm mount).
1	EA	Relocate existing signal head.
620	LF	Pull back and re-route existing non-invasive micro-loop probe cable.
3	EA	Remove and dispose of existing concrete foundation 12 in. below grade.
_ump Sum	LS	Remove and dispose of existing signal equipment.

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



Phase Chart

1 2 3 4 5 6 7 8 9





STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION

MD 30 AT BRODBECK ROAD / EAGLE RIDGE COURT

HAMPSTEAD, MD

18/10/10/10/10/10/10/10/10/10/10/10/10/10/								
GENERAL INFORMATION PLAN								
SCALEN/A	DATE	MARCH	24, 2011	CONTRACT NO	BW996M82			
DESIGNED BY	J. STORCK		COUNTY	/ CARI	ROLL			
DRAWN BY	J. STORCK		LOGMILE06003004		004.53			
CHECKED BY			TIMS NO		)-GI			
F.A.P. NO N⁄A			TOD NO.		N/A			
TS NO. 3989C	DRAWING	GI - 01	OF 01	SHEET NO.	2 OF 2			

PLOTTED: Thursday, March 24, 2011 AT 10:10 AM FILE: F:\2004\2004-0711B\DES\TEDD\pSG-N002\_MD30atBrodbeck.dgn

The Traffic Group, Inc. 9900 Franklin Square Drive Baltimore, Maryland 21236 410-931-6600 1-800-583-8411

Fax 410-931-6601

"Merging Innovation and Excellence"®